MR Form 3
(Revised 1984)

ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year January 1, 1986
to Month/Year January 1, 1987

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR: Ideal Basic Industries, Inc. MINE NAME: Poverty Point Limestone Quarry

ADDRESS: Auxiliary Route #3
Morgan, Utah 84050

PERMIT NUMBER AND DATE OF PERMIT: ACT/045/012 April 27, 1981

REPRESENTATIVE: L. B. Giles, Plant Manager

SECTION(S): 16 TOWNSHIP(S): 1N RANGE(S): 3W SLBM

MINERAL(S) MINED: Limestone

STATE AND/OR FEDERAL MINERAL LEASE NUMBERS: State Mineral Lease 36110

SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY: BLM R/W Grant U-45959

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

See Note 1, Page 10

Disturbance	Acreage
Pit	7.4
Roads	9
Facilities	NA
Waste Dumps	NA
Other	NA

(b) Tabulation of acreage affected to date (by years).

Date by Year	Acreage (Total
1975	
1976	
1977	
1978	
1979	
1980	
1981	50
1982	
1983	
1986	50 Acres Total Under Permit

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

Area Affected (in mining sequence) (If more space is needed, please attach.)	Area 1	2	3	etc.
Acreage of Area	7.4			
Depth of Topsoil Removal (inches)	No recoverable topsoil			
Depth of Topsoil Replacement (inches)*	N.A.			
Estimate of Topsoil Volume Salvaged (yd^3 or ac ft)	0			
Volume Actually Salvaged (yd^3 or ac ft)	0			
Volume Required for Reclamation (yd^3 or ac ft)	0			
Surplus or Deficit Volume (yd^3 or ac ft)	0			
Storage Status (short- or long-term)	N.A.			

Soil Tabulation Chart (continued)

Area Affected (in mining sequence)	Area 1	2	3	etc.
Storage Location	N.A.			
Area Where Soil Has Been Used (if not stored)	N.A.			
Running Total (all stockpiles) (yd^3 or ac ft)	0			
Short-term	0			
Long-term	0			

*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

Area	Date	Acreage
N.A. - All mined material is used		

(e) Tabulation of quantity of commodity mined.

	Commodity	Tonnage
(Mined) (From Stockpile)	Limestone	24,715 Tons
(Milled) (Off-Site)	Limestone	63,363 Tons

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to:

1. Buildings and support facilities.
None

2. Roads.
No new road construction - Only temporary, operational roads at Quarry face.

3. Diversion ditches, collector ditches, interceptor ditches, etc.
None

4. Culverts.
None

5. Sediment ponds, containment ponds.
None

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).
None

7. Topsoil stockpiles.
None

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.
None

2. Subsidence.
None

3. Accidental water discharge, dam failure, etc.
None

4. Slumping, sliding or erosion.
None

5. Revegetation problem areas.
Revegetation will be difficult since little vegetation exists on the barren rock slope to begin with. Working with the B.L.M. on a program to re-seed where practical as we finish active work. No re-seeding was done in 1986.

6. Existence and location of unsuitable (toxic) overburden.
None

RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

Area	Acreage
None - All disturbed area considered active, either for mining and crushing activity, or temporary stockpiling of product.	

2. Topsoiled areas.

Area	Acreage
None	

3. Seeded areas.

Area	Acreage
None	

4. Reseeded areas (areas previously seeded, then seeded again).

Area	Acreage
None	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

Year	Acreage
1975	
1976	
1977	
1978	
1979	
1980	
1981	
1982	
1983	
1984	
1986	0

(c) Description of the reclamation procedures used during the report period, including:

1. Average depth of topsoil applied.
N.A.

2. Type of seed (species) used for seeding during the report period.
N.A.

3. Date of seeding during the report period.

Spring N.A.

Fall

4. Seeding procedures used.

(Hand broadcast or drilled or any other).
N.A.

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)
N.A.

6. Type and rate of fertilizer applied.
N.A.

7. Type and rate of mulch applied.
N.A.

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).
N.A.

9. Revegetation test plot information.

(Cover, density, productivity, etc.)
N.A.

10. Soil analysis results.
N.A.

(d) Description of results of previous revegetation efforts, including: (This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.
N.A.

2. Types (species) of seed that are not growing successfully.
N.A.

3. Areas experiencing problems with weeds and weed types.
N.A.

4. Significant erosional problems.
N.A.

5. Areas of unsuitable overburden on the surface as related to revegetation failure.
N.A.

6. Procedures used or proposed to correct these problems.
N.A.

7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

Area	Date	Acreage
None		

8. Results of soil analysis.

N.A.

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	Acres	Cost/Acre
1. Grading	N.A.	
2. Backfilling		
3. Contouring		
4. Topsoil Replacement		
5. Seeding		
A. Seedbed Preparation		
B. Mulch		
C. Fertilizer		
D. Seed		
6. Other		

BOND INFORMATION:

A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	Amount	Type	Date Posted
Present Bond	13,900	Bond	January 8, 1985

Increased disturbance, if any:

None

Increased Bond Amount (attached reclamation estimate).

B. Bond release.

Acres	Bond Amount Released	Date
None		

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

(a) Permit stipulations (status).
(b) Other special conditions (status).

Notes:

1. The Porverty Point Quarry has been mined under contract by Concrete Products Company, 41 West Central Avenue, Salt Lake City, Utah 84107

   Concrete Products Company was under contract to Quarry 140,000 tons of material For Ideal. 115,000 tons were quarried in 1984 and 25,000 tons were quarried in 1985. There was no mining activity in 1986 except for hauling previously crushed material from stockpile to the Devil's Slide Plant as needed. Maps will be the same as submitted for 1985.

Report Prepared by:

IDEAL BASIC INDUSTRIES, INC.
Devil's Slide, Utah Plant
Auxiliary Route #3
Morgan, Utah 84050
Telephone 801 829-6821

APPENDIX I

ANNUAL REPORT MAPS

1. Maps must be clear and legible contour maps or recent aerial photos. The scale should be 1 inch = 500 feet to adequately show topographic features.

2. Map sheets should be of a reasonable size, not to exceed 48 inches on a side.

3. Maps must have a title block with:

   A. Map title.
   B. Name and address of permittee.
   C. Permit and amendment numbers.
   D. Annual report period.
   E. Scale, north arrow, contour interval, date of photography, etc.

4. All maps must show:

   A. Legal subdivisions.
   B. Permit area boundary clearly shown and labelled.
   C. Amendment areas clearly shown and labelled.
   D. Contour features.

5. The following features should all be clearly identified:

   A. Topsoil stockpiles (numbered and with volumes).
   B. Settling ponds and sediment control structures.
   C. Haul roads.
   D. Pits identified by location, name, number, etc.
   E. Ramps (numbered).
   F. Out-of-pit spoil dumps.
   G. All waste disposal sites including, but not limited to:
      1. Landfill sites.
      2. Carbonaceous waste dumps.
   H. Diversion ditches.
   I. Monitoring sites.

6. All areas to be affected by mining and reclamation in the coming year should be outlined and labelled.

Ideal Cement - Devil's Slide Plant
A Division of Ideal Basic Industries

Auxiliary Route No. 3
Morgan, Utah 84050
801 829 3421

IDEAL

February 3, 1987

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED
FEB 04 1987
DIVISION OF
OIL, GAS & MINING

Attention: Mr. Lowell P. Braxton

Dear Mr. Braxton,

Enclosed are the annual operation reports and current maps of our Devil's Slide and Poverty Point operations covering 1986 calendar year.

045/012

If you have any questions or need additional information, please feel free to call.

Sincerely,

L. B. Giles
Plant Manager

LBG/y

Enclosures